



GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY :: NELLORE
Department of Computer Science and Engineering

Name of the Subject	Computer Networks	Class	III Year I Sem
Faculty Name	V. Gayatri	AY	2019-20

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JIGSAW

Introduction:

The Jigsaw method of teaching is a collection of topics, which will be fully developed by students before coming together to make a complete idea. To be more specific, this type of cooperative learning strategy allows individuals or small groups to become responsible for a subcategory of a larger topic. After researching and developing their idea, each individual or small group then has the responsibility to teach it to the rest of the group or class.

Steps of Jigsaw method:-

1. Divide students into 5- or 6-person jigsaw groups. The groups should be diverse in terms of gender, ethnicity, race, and ability.
2. Appoint one student from each group as the leader. Initially, this person should be the most mature student in the group.
3. Divide the day's lesson into 5-6 segments.
4. Assign each student to learn one segment. Make sure students have direct access only to their own segment.
5. Give students time to read over their segment at least twice and become familiar with it. There is no need for them to memorize it.
6. Form temporary "expert groups" by having one student from each jigsaw group join other students assigned to the same segment. Give students in these expert groups time to discuss the main points of their segment and to rehearse the presentations they will make to their jigsaw group.
7. Bring the students back into their jigsaw groups.
8. Ask each student to present her or his segment to the group. Encourage others in the group to ask questions for clarification.
9. Float from group to group, observing the process.
10. At the end of the session, give a quiz on the material.

Topic:

- IP Addressing

Objective of the activity:

- The objective is to develop the interest of students through cooperation and collaboration.

Execution Plan:

- Students are divided into jigsaw groups. Expert group also formed.
- Topic is divided into segments and each segment given to each jigsaw group.
- Every jigsaw group learned about segment given.
- Jigsaw groups are rearranged.
- Every jigsaw group learned about all segments of the topic.
- Finally assignment given to all students.

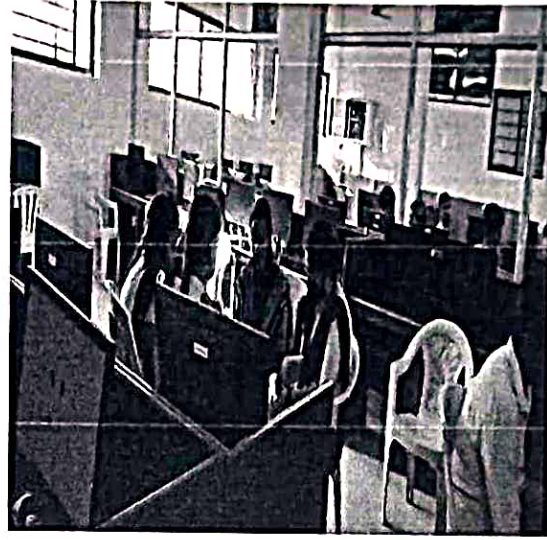
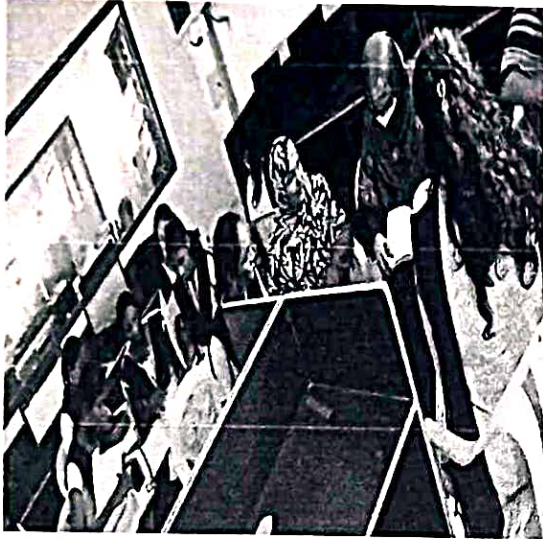
Expected Outcomes:

- Unlike personal learning or competition in the classroom, this activity encourages students to sink or swim together. Here, the students are responsible for the learning of others as well as themselves.

Enclosures:

- Photos during activity





- List of jigsaw teams and expert team.

JIGSAW TEAM 1

S.NO	ROLL NO	NAME OF THE STUDENT	TOPIC	SIGNATURE
1.	172U1A0501	ANNALURU SRI BHARGAVI	Classful addressing	A. Bhargavi
2.	172U1A0523	KOLLAREDDY JAHNAVI	Classful addressing	K. Jahnavi
3.	172U1A0528	MEKALA PRIYANKA	Classful addressing	M. Priyanka
4.	172U1A0542	POLURU BHAVANA	Classful addressing	P. Bhavana
5.	172U1A0556	SYED THASLEEM	Classful addressing	S. Thasleem

JIGSAW TEAM 2

S.NO	ROLL NO	NAME OF THE STUDENT	TOPIC	SIGNATURE
1.	172U1A0510	CHINNI JYOTHSNA	Class less Addressing	C. Jyothsna
2.	172U1A0524	KOLLI MANASALAKSHMI	Class less Addressing	K. Manasalakshmi
3.	172U1A0534	NATAKAM RAJESWARI	Class less Addressing	N. Rajeswari
4.	172U1A0545	RAMAPURAM KALA SRAVANI	Class less Addressing	R. Sravani
5.	172U1A0557	THANNIRU SWAPNA	Class less Addressing	T. Swapna

JIGSAW TEAM 3

S.NO	ROLL NO	NAME OF THE STUDENT	TOPIC	SIGNATURE
1.	172U1A0511	CHINTALAPUDI HARIKA	Subnetting	C. Harika
2.	172U1A0526	KUMAR SINGH SEEMA SINGH	Subnetting	K. Seema
3.	172U1A0536	NELATURI USHA RANI	Subnetting	N. Usha
4.	172U1A0548	SHAIK CHANDINI	Subnetting	SK. Chandini
5.	172U1A0558	THARUGU NIVEDITHA	Subnetting	T. Niveditha

JIGSAW TEAM 4

S.NO	ROLL NO	NAME OF THE STUDENT	TOPIC	SIGNATURE
1.	172U1A0512	DAMODARA SAKETH	Supernetting	D. Saketh
2.	172U1A0525	KUMAR SINGH REEMA SINGH	Supernetting	K. Reema
3.	172U1A0539	PAPARLAPATI GREESHMA	Supernetting	P. Greeshma
4.	172U1A0550	SIVAGNANAM MEGHALAVANI	Supernetting	S. Meghalavani
5.	173E1A0507	KAKU SAI VAISHNAVI	Supernetting	K. Sai Vaishnavi

JIGSAW TEAM 5

S.NO	ROLL NO	NAME OF THE STUDENT	TOPIC	SIGNATURE
1.	172U1A0520	JANJAM BHAVANI	Subnet Mask	J. Bhavani
2.	172U1A0527	MANNAVARAPU SANDHYA	Subnet Mask	M. Sandhya
3.	172U1A0544	PULIVARTHI ANUSHA	Subnet Mask	P. Anusha
4.	172U1A0554	SYED SHAZIYA	Subnet Mask	S. Shaziya
5.	172U1A0514	GALI SAI KUMARI	Subnet Mask	G. Sai Kumari

EXPERT TEAM

S.NO	ROLL NO	NAME OF THE STUDENT	TOPIC	SIGNATURE
1.	172U1A0501	ANNALURU SRI BHARGAVI	Classful addressing	A. Bhargavi
2.	172U1A0510	CHINNI JYOTHSNA	Class less Addressing	C. Jyothsna
3.	172U1A0511	CHINTALAPUDI HARIKA	Subnetting	C. Harika
4.	172U1A0512	DAMODARA SAKETH	Supernetting	D. Saketh
5.	172U1A0520	JANJAM BHAVANI	Subnet Mask	J. Bhavani

Teams after Swapping:

TEAM 1

S.NO	ROLL NO	NAME OF THE STUDENT	TOPIC	SIGNATURE
1.	172U1A0501	ANNALURU SRI BHARGAVI	Classful addressing	A. Bhargavi
2.	172U1A0510	CHINNI JYOTHSNA	Class less Addressing	C. Jyothsna
3.	172U1A0511	CHINTALAPUDI HARIKA	Subnetting	C. Harika
4.	172U1A0512	DAMODARA SAKETH	Supernetting	D. Saketh
5.	172U1A0520	JANJAM BHAVANI	Subnet Mask	J. Bhavani

TEAM 2

S.NO	ROLL NO	NAME OF THE STUDENT	TOPIC	SIGNATURE
1.	172U1A0523	KOLLAREDDY JAHNAVI	Classful addressing	K. Jahnavi
2.	172U1A0524	KOLLI MANASALAKSHMI	Class less Addressing	K. Manasalakshmi
3.	172U1A0526	KUMAR SINGH SEEMA SINGH	Subnetting	K. Seema
4.	172U1A0525	KUMAR SINGH REEMA SINGH	Supernetting	K. Reema
5.	172U1A0527	MANNAVARAPU SANDHYA	Subnet Mask	M. Sandhya

TEAM 3

S.NO	ROLL NO	NAME OF THE STUDENT	TOPIC	SIGNATURE
1.	172U1A0528	MEKALA PRIYANKA	Classful addressing	M. Priyanka
2.	172U1A0534	NATAKAM RAJESWARI	Class less Addressing	N. Rajeswari
3.	172U1A0536	NELATURI USHA RANI	Subnetting	N. Usha
4.	172U1A0539	PAPARLAPATI GREESHMA	Supernetting	P. Greeshma
5.	172U1A0544	PULIVARTHI ANUSHA	Subnet Mask	P. Anusha

TEAM 4

S.NO	ROLL NO	NAME OF THE STUDENT	TOPIC	SIGNATURE
1.	172U1A0542	POLURU BHAVANA	Classful addressing	P. Bhavana
2.	172U1A0545	RAMAPURAM KALA SRAVANI	Class less Addressing	R. Sravani
3.	172U1A0548	SHAIK CHANDINI	Subnetting	Sk. Chandini
4.	172U1A0550	SIVAGNANAM MEGHALAVANI	Supernetting	S. Meghalavani
5.	172U1A0554	SYED SHAZIYA	Subnet Mask	Sd. Shaziya

TEAM 5

S.NO	ROLL NO	NAME OF THE STUDENT	TOPIC	SIGNATURE
1.	172U1A0556	SYED THASLEEM	Classful addressing	Sd. Thasleem
2.	172U1A0557	THANNIRU SWAPNA	Class less Addressing	T. Swapna
3.	172U1A0558	THARUGU NIVEDITHA	Subnetting	T. Niveditha
4.	173E1A0507	KAKU SAI VAISHNAVI	Supernetting	K. Sai Vaishnavi
5.	172U1A0514	GALI SAI KUMARI	Subnet Mask	G. Saikumari

3. Assignment given to students

1. Divide network into 4 subnets:-

a big single network having IP Address 200.1.2.0.

2. The subnet mask for a particular network is 255.255.31.0. Which of the following pairs of IP addresses could belong to this network?(d)

- A 172.57.88.62 and 172.56.87.233
- B 10.35.28.2 and 10.35.29.4
- C 191.203.31.87 and 191.234.31.88
- D 128.8.129.43 and 128.8.161.55

3. If subnet mask 255.255.255.224, which of the following will be Direct Broadcast address?(c)

- A 202.15.19.127
- B 202.15.19.63
- C Both a and b
- D None of the Above

4. Suppose computers A and B have IP addresses 10.105.1.113 and 10.105.1.91 respectively and they both use the same netmask N. Which of the values of N given below should not be used if A and B should belong to the same network?(d)

- A 255.255.255.0
- B 255.255.255.128
- C 255.255.255.192
- D 255.255.255.224

Important observations

- There must be good concentration and focus.
- Few Students are not able to explain concept clearly to all.
- Most of the students are able to solve problems given in the assignment.


Faculty Signature